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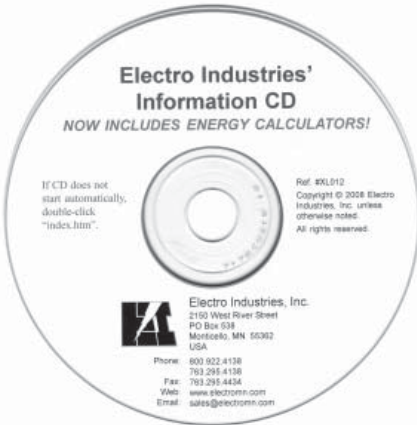
ELECTRO-LINE

March 2008

Providing Comfort Through Efficient Energy Solutions

Electro's Information CD

This CD contains information to assist you in promoting, selling, training, and installing Electro products. The CD includes:



- **PRODUCT MANUALS** for all current and late model Electro heating products.
- **PARTS BREAKDOWNS** and current part lists for all Electro heating products.
- **LITERATURE** and **PRICE SHEETS** for all Electro heating products and parts.
- **POWERPOINT PRESENTATIONS** covering a wide range of mechanical and electrical topics.
- **ARTWORK** you can use for your professional advertisements - really, it's free!
- **ENERGY COST COMPARISON** programs help you show your customers how they can save money!

Request your CD today - simply visit www.electromn.com and click "Request" under New Items.

Another Successful Factory Product School

On January 23-24, 2008, Electro Industries held its 24th annual product school. This year's event included 2 days of lecture at the Monticello Community Center, factory tours, and a fun-filled social evening of appetizers, bowling, and prizes.

This year's lecture included several very timely topics. With high heating fuel prices on everyone's mind, the fuel cost comparison software demo gave fresh insight on how to show your customers the potential savings using electric heat. Boiler and plenum heater installation and maintenance seminars were also popular topics.

New this year was the WarmFlo Analyzer training room, where attendees could spend up to 45 minutes with Electro staff for hands-on Analyzer training. This was an excellent way for those who work with WarmFlo products to get a good functional understanding of how the Analyzer can make installing and troubleshooting



WarmFlo easier.

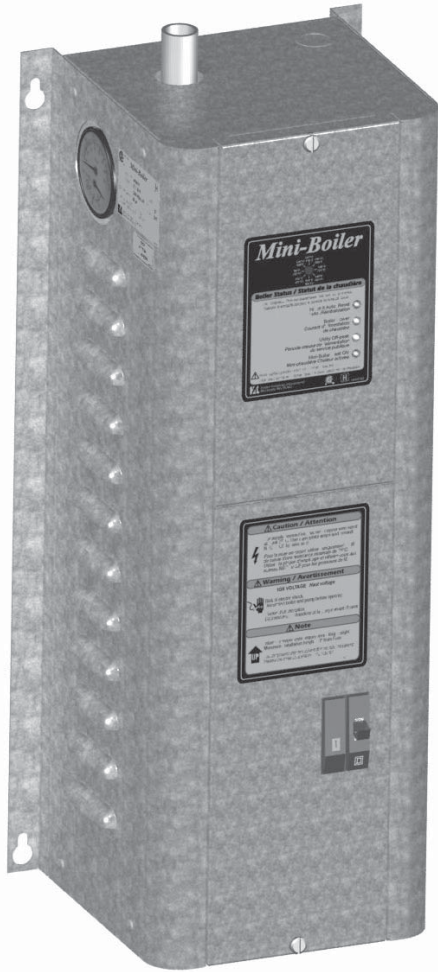
After the lecture many of the attendees stopped by Electro for a factory tour. They were able to see firsthand how our boilers and plenum heaters are made right here in Monticello, Minnesota.

Nearly everyone in attendance joined us at the River City Extreme bowling alley for an evening of refreshments, appetizers, bowling, and prizes.

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NEW PRODUCT ANNOUNCEMENT



New Redesigned Mini-Boiler™

Our new Mini-Boiler has more features and is easier to install and use than ever before. One of the best features of this new unit is it comes to you at a lower price tag, all while maintaining our high quality and reliability that you have come to expect from Electro Industries.

The focus of this new design is to provide the installer with an easy access control board, a smaller, more compact design, and built-in temperature control. All of these features add up to a boiler that is easier to use and install, which in turn saves you money.

Features/Updates

- Built-in temperature pressure gauge
- Built-in temperature sensor
- Square D circuit breaker (built-in disconnect circuit breaker)
- Temperature dial on front cover
- Indicator lights
- Easy access control board
- Compact design, 10-1/2"W x 8-5/8"D x 25"H

See back page for details on the upcoming Webinar featuring this redesigned Mini-Boiler.

Standard Equipment

- Control wiring terminals
- DC power relays
- Hi-limits: 1st - automatic reset, 2nd - manual reset
- Circulator switching relay - 10-amp maximum
- Thermostat or end switch connection (R and W)
- Load management control provisions
- Heavy duty sheet metal enclosure
- 1 gal. steel vessel, ASME "H" Stamp (20-year warranty)
- Safety relief valve (30 PSI)
- Low watt density heating elements (20-year warranty)
- 2-year parts warranty
- Temperature range 90° F to 160° F
- ASME/CSA listings
- Made in the USA

Model	Volts	Watts	Amps	kW	Phase	Btu/h	CB
EMB-S-1	120	1,100	9.17	1.1	1-60	3,754	N/A
EMB-S-2	120	2,500	20.83	2.5	1-60	8,532	N/A
EMB-S-4	120	5,000	41.67	5	1-60	17,065	N/A
EMB-S-5	240	4,500	18.75	4.5	1-60	15,358	30A
EMB-S-7	240	7,000	29.17	7	1-60	23,891	45A
EMB-S-9	240	9,000	37.5	9	1-60	30,717	60A

NOTE: EMB-W-9, equipped with the WarmFlo® control, is still available.

AVAILABLE
MAY 1, 2008

TECHNICAL UPDATES & INFORMATION

WF-EZ3 Upgrade, Simplified Variable Speed Hookup

This document provides hookup wiring suggestions for forced air furnaces or air handlers with ECM variable speed blower arrangements. It has recently been updated to include HeatChoice II and WF-EZ3. Request document XC017 and Field Service Bulletin 1110.

Zone Control, Multi-Boiler

Software for the models below has recently been updated to provide more flexibility when dealing with large multi-boiler zones. This update allows the installer to operate a small zone with up to three very large zones on the master zone control board. Also, the SIZE dial switch must be correctly set. **Affected models:**

- EB-Z*A-1, Version 3.33, Installation Manual BI008
- EB-Z*S-1, Version 3.22, Installation Manual BI005
- EB-Z2P, Version 5.01, Installation Manual BI007

Honeywell Thermostats

Models CT87N and CT87K (round style) thermostats are power robbing. These thermostats will not work on our zone controller boards and are not recommended for our boiler products. However, these thermostats will work on our forced air products.

Multiple Boilers, EB-C-STG5

The hookup drawings for this product have been updated to simplify load control wiring when installing multiple boilers. Request document BH504.

Low Voltage Wiring Separation

When installing one of our products utilizing our WarmFlo temperature sensors and/or load control, it is imperative this low voltage wiring be completely segregated from other high voltage wiring. If any of these low voltage wires are installed parallel to high voltage wiring, inductance from the high voltage wiring can occur and cause the system to operate incorrectly.

Room Thermostat - Setup

Cycles per hour (cph) - This is similar to older thermostats "heat anticipator" and relates to run time between heat calls. Honeywell, Bryant/Carrier, etc. do not list WarmFlo/heat pump in their recommended setting options. Electro Industries recommends 2 or 3 for Electro-Mate without heat pump and 1 or 2 for Electro-Mate/WarmFlo with air source heat pump. Heat pump products do not come up to full efficiency the instant they are first turned on. Depending upon size, design, size of outdoor coil, etc. it may take 5 minutes before a heat pump is approaching its listed efficiency. Thus the longer the run cycle, the higher the heating system efficiency.

Electro-Boiler Products, Circulator Pump During Load Control

On all control boards there is a pin jumper selection on whether the circulator pump is a direct function of stat W or if it is also interrupted by load control. See the setup section in the appropriate installation manual and select the jumper position W or L.

If there is a need to interrupt pumps during load control from the EB-Z*A-* zone controller, request special instruction sheet BH028.

NEW WarmFlo® Select Plenum Heater



This summer we are releasing our WarmFlo Select line of plenum heaters. These plenum heaters feature all-in-one control and interface control board. When ordering our new Select Series plenum heater you no longer have to worry about which interface part number to order or trying to figure out which particular chip you need to be using for each application you come across.

Ordering the correct Select Series plenum heater is as simple as knowing what your kW requirement is and whether you need a 15" or 18" wide unit. That's it.

We will be featuring the WarmFlo Select in our June newsletter.

AVAILABLE JULY 1, 2008

NEW PRICE SHEETS

New Price Sheets Effective April 1, 2008

New prices, new products, new model numbers, and extensive part replacement price lists are just a few of the reasons for you to get updated price and product information. As the front page indicates, all of these pricing tools are available on the XL012 Information CD. To request a CD go to www.electromn.com and click "Request" under New Items. If you prefer hard copies of the price sheets, XL053 Price Booklet may also be requested at the link listed above.

WIN MINNESOTA TWINS TICKETS!



Send us your Electro product installation photos and you will be entered in a drawing for 4 lower level tickets to a Twins game. Email your photos to sales@electromn.com no later than June 30, 2008.

UPCOMING TRAINING

Web Training Seminars

Electro Industries will be offering live Web training seminars every other Friday throughout the spring. Join us as we cover a wide range of topics designed to help our customers better understand the whole range of Electro products. For more information contact Dean at dhavel@electromn.com or to attend go to <http://www.webdialogs.com/join>, complete the sign-in form (Conference ID 12431) and click Log In (for voice conferencing call 1-888-676-3315). It's fast, it's easy and best of all, it's free!

March 14th Forced Air Options For Adding Electric Heat I

March 28th Forced Air Options For Adding Electric Heat II

April 11th Electro-Boiler™ Options For Hydronic Heating Applications

April 25th Redesigned Electro Mini-Boiler™ Features

May 9th Electro-Boiler™ Installation & Maintenance

May 23rd Simplify Your Heat Pump Install with Electro Heat Pump Controls

June 6th Electro-Boiler™ Suggested Piping Techniques

Also, contact Dean to include an Electro representative via live Webinar at your next sales/training meeting or for more information on personalized Webinars for your group.

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